

Flutter

Description

Google's Flutter helps to develop cross-platform native Apps.

Expectations and Goals

The course is designed for those who are interested in developing cross-platform mobile app but don't have any knowledge on any mobile technology. On learning this framework, one will be able to build cross-platform mobile app and deploy in the real device.

Prerequisites

Trainee(s) with no prior knowledge in mobile technology can easily enrol themselves for the course. Basic knowledge of programming will be sufficient.

Course Schedule

Module	Topic
Module 1	Introduction of mobile Apps Discussion on different technology and framework Introduction to Flutter Flutter Definition Flutter Architecture Introduction to Dart
Module 2	Installation of IDE(s), tools, packages Setting up of virtual device
Module 3	What is Dart How to write code in dart? Oops concept in details Implementation
Module 4	Process of creation of project Writing the first code Linking the code Running into device
Module 5	Introduction to widgets Use of different widgets and its implementation Widget tree
Module 6	States in flutter Use of stateful widgets Use of stateless widgets Implementation
Module 7	Different layouts and its use Widgets in form of layouts and with other common widgets Designing with widget and material designing components Handling events and functions
Module 8	Creation of customized widgets Different states and widgets connection Styling and theming
Module 9	Creation of different screens and navigating Addition of different navigating tabs

	Linking with the menus and options
Module 10	Use of list views Multiline text/input in the view and its management
Module 11	Use of SQLite Device storage Http Request handling
Module 12	Use of Camera, capturing image and its storage Handling multimedia support Creation of multimedia supported Apps
Module 13	Access of map in the app Location management Storage
Module 14	Adding Animation Transition Widgets management
Module 15	Preparing code App configuration Third-party services Publishing for Android Publishing for IOS
Module 16	Project Work and Documentation